# CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

**NABL** - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED


Job No.: CTCE/BBMP/W.No.07/NNS/CEMENT/2014-15 Date: 18.07.2014

## TEST REPORT

| | | |
|---|---|---|
| **CLIENT** | : | **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore. |
| **AGENCY** | : | **Mr. N.N. Sreenivasaiah,** Contractor, Bangalore. |
| **NAME OF THE WORK** | : | Construction of school building in Byatarayanapura Govt. school in Ward No.07 (Byatarayanapura), Kodigehalli Sub Division (Sub estimate for dismantling of old toilet building and stair case grill(Construction of plat form) for Govt school building at Byatarayanapura in Ward No.07) Kodigehalli Sub Division, BBMP, Bangalore. |
| **REFERENCE** | : | EE/BTP/BBMP/E-TND/254/2013-14 Dated: 23.01.2014 |
| **SAMPLE ID** | : | CEMENT |
| **SAMPLES SUPPLIED BY** | : | AGENCY |

AE-7

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The results of the tests conducted on the cement sample are as follows:

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 1989-2013 |
|---|---|---|---|---|
| 1 | Standard Consistency | IS-4031 (Part -4) | 28.00 % | - |
| 2 | a) Initial Setting Time | IS-4031 (Part -5) | 165 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part -5) | 490 Minutes | Not More than 600 Minutes |
| 3 | Soundness by the Le-Chatelier method | IS-4031 (Part 3) | 1 mm | Not more than 10 mm |

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

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M/s. Civil-Tech Consultants & Engineers
# 23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, BBMP,
Bangalore.

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## TEST REPORT ON FINE AGGREGATES
## IS 383-1970 (RA- 2002)

**Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

**Agency** : **Mr. N.N. Sreenivasaiah,** Contractor, Bangalore.

**Name of Work** : Construction of school building in Byatarayanapura Govt. school in Ward No.07 (Byatarayanapura), Kodigehalli Sub Division (Sub estimate for dismantling of old toilet building and stair case grill(Construction of plat form) for Govt school building at Byatarayanapura in Ward No.07) Kodigehalli Sub Division, BBMP, Bangalore.

**Reference** : EE/BTP/BBMP/E-TND/254/2013-14 Dated: 23.01.2014

Date of Testing :18.07.2014

Material : Sand Total Wt. of Aggregates in gms **1000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Spec.Limits For Zone-II |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 53 | 5.30 | 5.30 | 94.7 | 90-100 |
| 2.36 | 149 | 14.90 | 20.20 | 79.8 | 75-100 |
| 1.18 | 195 | 19.50 | 39.70 | 60.3 | 55-90 |
| 600 Micron | 200 | 20.00 | 59.70 | 40.3 | 35-59 |
| 300 Micron | 285 | 28.50 | 88.20 | 11.8 | 8-30 |
| 150 Micron | 80 | 8.00 | 96.20 | 3.8 | 0-10 |

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## TEST REPORT ON COARSE AGGREGATES
## IS 383-1970 (RA- 2002)

**Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

**Agency** : **Mr. N.N. Sreenivasaiah,** Contractor, Bangalore.

**Name of Work** : Construction of school building in Byatarayanapura Govt. school in Ward No.07 (Byatarayanapura), Kodigehalli Sub Division (Sub estimate for dismantling of old toilet building and stair case grill(Construction of plat form) for Govt school building at Byatarayanapura in Ward No.07) Kodigehalli Sub Division, BBMP, Bangalore.

**Reference** : EE/BTP/BBMP/E-TND/254/2013-14 Dated: 23.01.2014

Date of Testing :18.07.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **10000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Spec.Limits |
|---|---|---|---|---|---|
| 80 | 0 | 0 | 0 | 100 | 100 |
| 40 | 185 | 1.85 | 1.85 | 98.15 | 95-100 |
| 20 | 6050 | 60.50 | 62.35 | 37.65 | 30-70 |
| 10 | 2515 | 25.15 | 87.50 | 12.50 | 10-35 |
| 4.75 | 850 | 8.50 | 96.00 | 4.00 | 0-5 |

AE-II

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